

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A rotary compressor, comprising:
a compression mechanism (20) including a cylinder (21) having a cylinder chamber (C) (C1, C2), a piston (22) accommodated in the cylinder chamber (C) (C1, C2) eccentrically with respect to the cylinder (21), and a blade (23) arranged in the cylinder chamber (C) (C1, C2) and defining the cylinder chamber (C) (C1, C2) into a first chamber (C-Hp) (C1-Hp, C2-Hp) and a second chamber (C-Lp) (C1-Lp, C2-Lp), at least one of the cylinder (21) and the piston (22) rotating eccentrically as an eccentric rotation body (21, 22);
a drive shaft (33) configured for driving the compression mechanism (20);
a pressing mechanism (60) configured for bringing a cylinder side end plate (26A), which is provided at one end in an axial direction of the cylinder chamber (C) (C1, C2) and faces an end face in an axial direction of the piston (22), and a piston side end plate (26B), which is provided at the other end in the axial direction of the cylinder chamber (C) (C1, C2) and faces an end face in an axial direction of the cylinder (21), close to each other in an axial direction of the drive shaft (33); and
a casing (10) configured for accommodating the compression mechanism (20), the drive shaft (33), and the pressing mechanism (60), wherein
the pressing mechanism (60) is being eccentric away from the a center of the cylinder side or the piston side end plate (26A, 26B) of the eccentric rotation body (21, 22), and

the pressing mechanism ~~(60) generates~~ generating an axial-direction pressing force of ~~which with a center is of the pressing mechanism being~~ eccentric away from ~~the a~~ center of the drive shaft ~~(33)~~.

2. (Currently Amended) The rotary compressor of ~~C~~claim 1, wherein the cylinder chamber ~~(C)~~ is in ~~has~~ a circular shape ~~in section at a right angle in an~~ when viewed perpendicularly from the axial direction, and

the piston ~~(22)~~ is formed of a ~~substantially~~ circular piston ~~(22)~~ arranged in the cylinder chamber ~~(C)~~.

3. (Currently Amended) The rotary compressor of ~~C~~claim 1, wherein the cylinder chamber ~~(C1, C2)~~ is in ~~has~~ an annular shape ~~in section at a right angle in an~~ when viewed perpendicularly from the axial direction, and

the piston ~~(22)~~ is formed of an ~~includes a~~ substantially annular piston ~~(22)~~ arranged in the cylinder chamber ~~(C1, C2)~~ and defining the cylinder chamber ~~(C1, C2)~~ into an outer cylinder chamber ~~(C1)~~ and an inner cylinder chamber ~~(C2)~~.

4. (Currently Amended) The rotary compressor of ~~C~~claim 3 wherein the piston ~~(22)~~ is in a C-shape into which a part of an annular shape is divided, has a gap dividing the piston into a C-shape with a swing bush ~~(27)~~ bushing is provided so as to be slidably held at in the gap divided part of the piston (22), and forming a blade groove configured (28) being formed therein for holding a the blade ~~(23)~~ so as to allow the blade ~~(23)~~ to move back and forth in the swing bushing, and

the blade ~~(23)~~ is ~~inserted~~ disposed in the blade groove ~~(28)~~ so as to extend from a wall face on an inner peripheral side to a wall face on an outer peripheral side of the annular cylinder chamber ~~(C1, C2)~~.

5. (Currently Amended) The rotary compressor of ~~C~~claim 1, wherein the compression mechanism has a plurality of discharge ports ~~(45, 46)~~ configured for discharging fluid compressed in the cylinder chamber ~~(C1, C2)~~ to an outside of the compression mechanism ~~(20)~~ are formed in the compression mechanism ~~(20)~~, and the pressing mechanism ~~(60)~~ generates the axial direction a pressing force in the axial direction, of which the pressing mechanism having a center that is eccentric to the discharge ports ~~(45, 46)~~ away from the a center of the cylinder side or piston side end plate ~~(26A, 26B)~~ of the eccentric rotation body ~~(21, 22)~~.

6. (Currently Amended) The rotary compressor of ~~C~~claim 1, wherein the pressing mechanism has a support plate ~~(17)~~ that is arranged along a face opposite a face on the cylinder chamber ~~(C1, C2)~~ side of the cylinder side or the piston side end plate ~~(26A, 26B)~~ of the eccentric rotation body ~~(21, 22)~~ in the casing ~~(10)~~, a sealing ring ~~(29)~~ for defining an a first opposing section part ~~(61, 62)~~ between the cylinder side or the piston side end plate ~~(26A, 26B)~~ and the support plate ~~(17)~~ inside and outside on an inner side in a radial direction into a first opposing section ~~(61)~~ and a second opposing section ~~(62)~~ between the cylinder side end plate and the support plate on an outer side in the radial direction, the sealing ring is arranged eccentrically away from the a center of the eccentric rotation body ~~(21, 22)~~ in one of the cylinder side end plate, the piston side end plate ~~(26A, 26B)~~ of the

eccentric rotation body ~~(21, 22)~~ and the support plate ~~(17)~~, and the pressing mechanism ~~(60)~~ allows a fluid pressure ~~of fluid~~ discharged outside the compression mechanism ~~(20)~~ to work on the first opposing section ~~(61)~~ in the end plate ~~(26A, 26B)~~.

7. (Currently Amended) The rotary compressor of ~~C~~claim 6, wherein the sealing ring ~~(29)~~ is fitted in an annular groove ~~(17b)~~ formed in one of the eccentric rotation body ~~(21, 22)~~ and the support plate ~~(17)~~.

8. (Currently Amended) The rotary compressor of ~~C~~claim 1, wherein the cylinder has a slit (63) that is formed at a part portion eccentric away from ~~the a~~ center of the eccentric rotation body ~~(21)~~ in a face portion opposite a face on ~~the a~~ cylinder chamber ~~(C1, C2)~~ side of the cylinder side end plate ~~(26A)~~ of the eccentric rotation body ~~(21)~~, and the pressing mechanism ~~(60)~~ allows pressure of fluid discharged outside the compression mechanism ~~(20)~~ to work on the slit ~~(63)~~.

9. (Currently Amended) The rotary compressor of ~~C~~claim 1, wherein the cylinder side has a groove (65) and a through hole ~~(64)~~ ~~are formed~~, the groove ~~(65) being is~~ formed in a portion eccentric away from ~~the a~~ center of the eccentric rotation body ~~(21)~~ on a face opposite a face on ~~the a~~ cylinder chamber ~~(C1, C2)~~ side of the end plate ~~(26A)~~ of the eccentric rotation body, ~~(21)~~ and the through hole ~~(64) being is~~ formed in the cylinder side end plate ~~(26A)~~ for allowing the groove ~~(65)~~ to communicate with the cylinder chamber ~~(C1, C2)~~, and the pressing mechanism ~~(60)~~ introduces ~~part a portion~~ of fluid

compressed in the cylinder chamber (~~C1, C2~~) into the groove (~~65~~) through the through hole (~~64~~) to allow ~~the~~ a pressure of the fluid to work on the groove (~~65~~).

10. (Currently Amended) The rotary compressor of ~~C~~claim 1, further comprising:
a sealing mechanism (~~71, 72, 73~~) configured and arranged to present for preventing leakage of fluid in at least one of a first axial direction gap between an end face in the axial direction of the cylinder (~~21~~) and the piston side end plate (~~26B~~) and a second axial direction gap between an end face in the axial direction of the piston (~~22~~) and the cylinder side end plate (~~26A~~).

11. (Currently Amended) The rotary compressor of ~~C~~claim 10, wherein
the sealing mechanism ~~is~~ includes a chip seal (~~71, 72, 73~~) provided at least one of the first axial direction gap and the second axial direction gap.